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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

PATENT APPLICATION

Takatsugu Kamata

Serial No.: 10/622,371

Filing Date: 7/18/2003

For: METHODS AND APPARATUS FOR AN  
IMPROVED DISCRETE LC FILTERS

POWER OF ATTORNEY BY ASSIGNEE UNDER 37 C.F.R. §§3.71, 3.73(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The below-identified Assignee is the owner of the entire right, title and interest in the above-identified patent application by virtue of an assignment from the inventor(s).

☒ A true copy of the assignment is attached hereto, the original of which has been (or is herewith) forwarded to the United States Patent and Trademark Office for recording.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Assignee hereby appoints John C. Stattler, Reg. No. 36,285; Mani Adeli, Reg. No. 39,585; Gregory Suh, Reg. No. 48,187; Andy Pho, Reg. No. 48,862; Vincent Tassinari, Reg. No. 42,179; my patent attorneys, and other attorneys of STATTLER JOHANSEN & ADELI LLP with offices located at 540 University Ave - Suite 350, Palo Alto, California 94301 to prosecute this application and all subsequent continuation or divisional applications, and transact all business in the United States Patent & Trademark Office connected therewith; said appointment to be to the exclusion of the inventor(s) and the inventor's(s') attorney(s) in accordance with the provisions of 37 C.F.R. §3.71.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please address all correspondence and telephone calls to:

John Stattler, Esq.  
STATTLER JOHANSEN & ADELI LLP  
P.O. Box 51860  
Palo Alto, California 94303-0728

Telephone: (650) 752-0990, ext. 100  
Fax: (650) 752-0995

Assignee: RFSstream Corporation, Inc.  
Name: Yoshikazu Kurihara  
Title: President and CEO

Signature: Y. Kurihara

Date: Nov. 29, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Takatsugu Kamata

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Filing Date: 7/18/2003

For: METHODS AND APPARATUS FOR AN IMPROVED DISCRETE LC  
FILTERS

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed you will find the following documents:

1. Power of Attorney by Assignee;
2. Copy of an Assignment from inventors to UKOM, Inc.;
3. Copy of an Assignment from UKOM, Inc. to RfStream Corporation.

Attached is the Power of Attorney, which appoints Stattler Johansen & Adeli LLP as the patent attorneys for this application. Also, attached are the copies of the Assignments from inventors to UKOM, Inc. and from UKOM, Inc. to RfStream Corporation. The Assignments were previously submitted to the Assignment branch for recordation.

Dated: December 17, 2004

Respectfully submitted,

By: 

**John Stattler**

Registration No. 36,285

Stattler, Johansen & Adeli LLP  
P.O. Box 51860  
Palo Alto, CA 94303-0728

Phone No. (650) 752-0990 x100  
Fax No. (650) 752-0995



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Takatsugu Kamata

Serial No.: 10/622,371

Filing Date: 7/18/03

For: METHODS AND APPARATUS FOR  
AN IMPROVED DISCRETE LC FILTER

PATENT APPLICATION

Examiner: <Not yet assigned>

Group Art Unit: 2817

**COPY**

JOINT INVENTOR TO CORPORATION ASSIGNMENT

WHEREAS, the undersigned Inventors have invented certain new and useful improvements in:

METHODS AND APPARATUS FOR AN IMPROVED DISCRETE LC FILTERS

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

- ☐ On the date specified in the accompanying Declaration for Patent Application.
- ☒ Said application having Serial Number 10/622,371 and filed on July 18, 2003.

WHEREAS UKOM, Inc. (hereinafter termed "Assignee"), a corporation of the State of . having a place of business at 1740 Technology Dr., #510, San Jose, CA 95110, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any

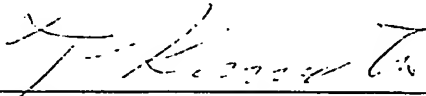
of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefore and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

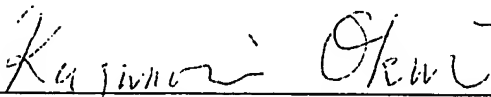
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives, and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement as given below and delivered this instrument to said Assignee.

(1)  Date: 7-20-09  
Takatsugu Kamata

\*\*\*\*\*

(2)  Date: 2/20/04  
Kazunori Okui

\*\*\*\*\*

**COPY**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, UKOM, Inc., a Delaware corporation, with offices at 1740 Technology Drive, #510 San Jose, California ("ASSIGNOR") owns certain patents, patent applications, and/or registrations, as listed in Exhibit A attached hereto and incorporated herein by this reference ("PATENTS");

WHEREAS, RfStream Corporation, a Japanese corporation, with offices at c/o Pixela Corporation, 25F, Namba Parks Tower, 2-10-70 Namba-naka, Naniwa-ku, Osaka 556-0011 Japan ("ASSIGNEE"), desires to acquire all of the right, title and interest of ASSIGNOR in, to and under the PATENTS;

WHEREAS, ASSIGNOR and Pixela Corporation, a Japanese corporation ("PIXELA") have entered into a certain Asset Purchase Agreement, dated as of February 27, 2004, as amended (the "PURCHASE AGREEMENT"), assigning, among other things, all right, title and interest in and to the PATENTS from ASSIGNOR to Pixela; and

WHEREAS, by Letter Agreement dated March 26, 2004, Pixela delegated certain duties and assigned certain rights under the Purchase Agreement to ASSIGNEE.

NOW, THEREFORE, in consideration of the Purchase Price (as defined in the Purchase Agreement) and other good and valuable consideration paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which hereby is acknowledged, ASSIGNOR does hereby assign to ASSIGNEE its entire right, title and interest in and to the PATENTS, including all divisions, continuations, continuations-in-part, reexaminations, substitutions, reissues, extensions and renewals of the applications and registrations thereof and any applications or patents that claim priority from such patents or applications, including, without limitation, any foreign counterparts thereof (and the right to apply for any of the foregoing); all rights to causes of action and remedies related thereto (including, without limitation, the right to sue for and collect damages incurred as a result of past, present or future infringement, misappropriation or violation of rights related to the foregoing); and any and all other rights and interests arising out of, in connection with or in relation to the PATENTS.

*(Signature page follows)*

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be duly executed by an authorized officer on this \_\_\_\_ day of March, 2004.

UKOM, Inc.

By: 

Name: Masayoshi Takebayashi

Title: President and Chief Executive Officer

# EXHIBIT A

## PATENTS

### • Patent Applications of UKOM

1.

Title	Methods and Apparatus for Implementing A Receiver On A Monolithic Integrated Circuit	
Provisional Filing	Date:	October 16, 2001
	Serial No.:	60/329,797
US Filing	Date:	October 16, 2002
	Serial No.:	10/273,389
PCT Filing	Date:	October 16, 2002
	Serial No.:	PCT US02/33077

2.

Title	Quadratic Video Demodulation with Baseband Nyquist Filter	
Provisional Filing	Date:	May 28, 2002
	Serial No.:	60/386,472
US Filing	Date:	June 5, 2003
	Serial No.:	10/457,056
PCT Filing	Date:	June 5, 2003
	Serial No.:	PCT US03/17901

3.

Title	A Quadratic Nyquist Slope Filter for Television Receiver	
Provisional Filing	Date:	May 28, 2002
	Serial No.:	60/383,937
US Filing	Date:	September 30, 2002
	Serial No.:	10/262,514
PCT Filing	Date:	October 4, 2002
	Serial No.:	PCT US02/31891

4.

Title	Methods and Apparatus for Shielding Integrated Circuits	
Provisional Filing	Date:	September 27, 2001
	Serial No.:	60/325,327
US Filing	Date:	July 8, 2002
	Serial No.:	10/191,983
PCT Filing	Not filed.	

5.

Title	A Frequency Discrete LC Bank Filter	
Provisional Filing	1) Frequency Discrete L-C Tank for TV Tuner	
	Date:	June 5, 2002
	Serial No.:	60/386,644
	2) Functional Comparator for Binary L-C Bank Addressing	
	Date:	June 5, 2002
	Serial No.:	60/386,471
US Filing	File Date:	October 15, 2002
	Serial No.:	10/272,539
PCT Filing	Not filed.	



6.

Title	Method and Apparatus for Tuning an LC Filter
Provisional Filing	1) Frequency Discrete L-C Tank for TV Tuner Date: June 5, 2002 Serial No.: 60/386,644 2) Functional Comparator for Binary L-C Bank Addressing Date: June 5, 2002 Serial No.: 60/386,471
US Filing	File Date: October 15, 2002 Allowed Date: November 18, 2003 Serial No.: 10/271,689
PCT Filing	Not filed.

7.

Title	Methods and Apparatus for an Improved Discrete LC Filters
US Filing	Date: July 18, 2003 Serial No.: 10/662,371
PCT Filing	Not Filed

8.

Title	Methods and Apparatus For Tuning Using Successive Approximation
Provisional Filing	Date: May 29, 2002 Serial No.: 60/384,290
US Filing	Date: May 29, 2003 Serial No.: 10/448,605
PCT Filing	Date: May 29, 2003 Serial No.: PCT US03/17090

9.

Title	Image Rejection Quadratic Filter
Provisional Filing	Date: May 29, 2002 Serial No.: 60/384,283
US Filing	Date: May 29, 2003 Serial No.: 10/448,740
PCT Filing	Date: May 29, 2003 Serial No.: PCT US03/17089

10.

Title	A Model Structure for Television Tuner
Provisional Filing	Date: May 23, 2003 Serial No.: 60/473,067
US Filing	Not Yet Filed
PCT Filing	Not Yet Filed